

REMARKS

Claims 1 – 13 are currently pending in the application.

Applicant mailed a timely Response to the present Office Action on July 9, 2004.

Subsequently, Applicant discovered that the caption to the Response incorrectly listed the serial number for the present application as “10/635,098”. In the present Supplemental Response, Applicant corrects the caption to list the application serial number as “10/625,098”.

REJECTIONS UNDER 35 U.S.C. §§ 102, 103

Claims 1-6, 8-11 and 13 are rejected under 35 U.S.C. §102 as being anticipated by Marshall et al. (U.S. Patent No. 5,215,464). Claims 7 and 12 are rejected under 35 U.S.C. § 103 as being unpatentable over Marshall in view of Eichweber (U.S. Patent No. 4,695,256).

Applicant respectfully traverses these rejections.

In independent claims 1, 5, and 9 – 13, Applicant discloses a laser transmitting/receiving system for target practice that includes a laser transmitter and a laser receiver. The laser transmitter includes a modulator for modulating a laser signal with position information of the transmitter which is provided to the modulator via a controller for transmitting position information. The laser transmitter includes an information extractor for extracting position information from a received laser signal, and a judgment unit for judging a shot effect based on the extracted position information. For example, as claimed in Applicant’s claim 11, the judgment unit may judge a shot effect in accordance with a distance obtained from position information extracted from the received laser signal and position information of the laser receiver.

Marshall discloses a shoot-back simulation training device that simulates the effect of returned aggression in a shooting combat scenario (see, e.g. abstract of Marshall). The device of

Marshall includes an infrared source 16 in a weapon that is engaged upon “firing” of the weapon to cause a collimated beam 18 to impinge on a projection screen 12 (see, e.g., FIG. 2 of Marshall). A video projector 14 projects a combat image of the projection screen 12. The entire image is captured by a spot tracker 24, which determined a coordinate position of the collimated beam 18 in relation to the entire image on the projection screen 12 (see, e.g., column 3, lines 48 – 62 of Marshall).

Applicant’s claimed invention employs a modulator coupled with a laser transmitter that operates to encode position information for the transmitter within the transmitted laser signal. This encoded information is then extracted from the transmitted signal by the laser receiver. In sharp contrast to Applicant’s claimed invention, the device of Marshall does not extract position information from a received laser signal, but rather extracts position information from a displayed image that includes an image produced by collimated beam 18 from infrared source 16. As a result, in contrast to Applicant’s claimed invention, the device of Marshall is determines position information for collimated beam 18 rather than position information of the transmitter itself. Like Marshall, Eichweber similarly fails to disclose or otherwise suggest these claimed features of Applicant’s invention.

Notably, Applicant’s invention offers the advantage of eliminating the need for an auxiliary device such as Marshall’s spot tracker 24 in order to determine position information. As a result, each of Applicant’s transmitter and receiver can be freely moved without any concern that the laser signal will move out of the view of an auxiliary imaging device such as Marshall’s spot tracker 24.

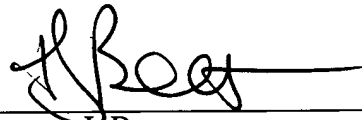
Accordingly, Applicants respectfully submit that independent 1, 5 and 9 - 13 are neither anticipated by Marshall or made obvious by the combination of Marshall and Eichweber, and therefore stand in condition for allowance.

CONCLUSION

An earnest effort has been made to be fully responsive to the Examiner's objections. It is believed that claims 1 – 13, consisting of independent claims 1, 5 and 9 – 13, and the claims dependent therefrom, are in condition for allowance. Passage of this case to allowance is earnestly solicited. However, if for any reason the Examiner should consider this application not to be in condition for allowance, he is respectfully requested to telephone the undersigned attorney at the number listed below prior to issuing a further Action.

Any fee due with this paper may be charged on Deposit Account 50-1290.

Respectfully submitted,



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